

# PATENT ABSTRACTS OF JAPAN

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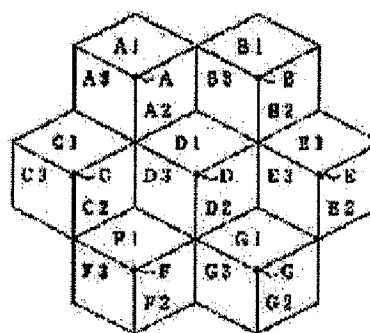
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## (54) CHANNEL ASSIGNMENT SYSTEM FOR RADIO COMMUNICATION SYSTEM

(57)Abstract:

**PURPOSE:** To realize a dynamic channel assignment system high in the availability of frequency in a radio communication system having fan-shaped zone constitution.

**CONSTITUTION:** Plural base stations A to C arranged in a service area respectively cover plural fan-shaped zones A1 to A3, B1 to B3, ... G1 to G3 by an antenna having horizontal pattern. Radio channels 1 to 12 are divided into the groups X1 to X3 of the number of the fan-shaped zones per a base station. When a communication requirement is generated, a channel is selected from the same channel group X1 in all the fan-shaped zones A1, B1, ... G1 of the same direction and when the power ratio of a desired wave to an interference wave is not less than a specified value, assignment is executed. Thereby, the availability of channels are improved to accommodate more traffic.



扇形ゾーン	チャンネル
X1	1, 4, 7, 10
X2	2, 5, 8, 11
X3	3, 6, 9, 12

X=A, B, C, D, E, F, G